Program P

Summaries Ξ' for the old program

Select summaries from Ξ'

$\lambda \leftarrow \emptyset$

add new predicates to λ

P^λ is correct?

π is feasible?

No

Yes

No

let π be a counterexample of P^λ

Yes

P is *correct*

Ξ: summaries for P

P is *incorrect*

Ξ: summaries for P